**Supplementary Material**

Supplementary Table 1 Sleep variables

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|  | Patients T1 (n=10) | Patients T2 (n=10) | Controls (n=10) | Comparisons |
| TST (min) | 511.1 ± 54.9 | 495.3 ± 52.7 | 487.7 ± 67.2 | 1: n.s.2: n.s. |
| N1 (%of TST) | 6.4 ± 2.9 | 7.6 ± 4.3 | 6.2 ± 2.9 | 1: n.s.2: n.s. |
| N2 (%of TST) | 54.6 ± 7.3 | 56.2 ± 4.8 | 50.4 ± 6.1 | 1: n.s.2: p=0.03 |
| N3 (%of TST) | 13.4 ± 5.6 | 13.1 ± 5.8 | 23.7 ± 5.4 | 1: p<0.0012: p<0.001 |
| REM sleep (%of TST) | 25.7 ± 5.2 | 23.1 ± 5.2 | 19.6 ± 2.8 | 1: p<0.012: n.s. |
| WASO (%of TST) | 5.9 ± 7.7 | 5.1 ± 5.2 | 7.1 ± 9.7 | 1: n.s.2: n.s. |

Sleep variables (mean ± standard deviation) for patients with ABI (measurements T1 and T2) and healthy age and gender matched controls. TST = total sleep time; N1, N2, N3 = non-REM sleep stage 1, 2, 3; WASO = wake after sleep onset. Comparison 1 = Patients at T1 vs. Controls, Comparison 2 = Patients at T2 vs. Controls. All comparisons based on two-tailed unpaired t-tests.